

L4 ANSWER 13 OF 20 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:45672 BIOSIS

DOCUMENT NUMBER: PREV200100045672

TITLE: Enhancement of hepatitis C virus core antigen-specific type 1 T helper cell response by **ribavirin** correlates with the increased level of **IL-12**.

AUTHOR(S): Chiang, B. L. (1); Fang, S.-H. (1); Hwang, L.-H. (1); Chen, D.-S. (1)

CORPORATE SOURCE: (1) National Taiwan University, Taipei Taiwan

SOURCE: FASEB Journal, (April 20, 2000) Vol. 14, No. 6, pp. A949. print.

Meeting Info.: Joint Annual Meeting of the American Association of Immunologists and the Clinical Immunology Society Seattle, Washington, USA May 12-16, 2000
ISSN: 0892-6638.

DOCUMENT TYPE: Conference

LANGUAGE: English

SUMMARY LANGUAGE: English

TI Enhancement of hepatitis C virus core antigen-specific type 1 T helper cell response by **ribavirin** correlates with the increased level of **IL-12**.

AU Chiang, B. L. (1); Fang, S.-H. (1); Hwang, L.-H. (1); Chen, D.-S. (1)

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ACCESSION NUMBER: 2000:537124 BIOSIS

DOCUMENT NUMBER: PREV200000537124

TITLE: **Ribavirin** enhancement of hepatitis C virus core antigen-specific type 1 T helper cell response correlates with the increased **IL-12** level.

AUTHOR(S): Fang, Shih-Hua; Hwang, Lih-Hwa; Chen, Ding-Shinn; Chiang, Bor-Luen (1)

CORPORATE SOURCE: (1) Graduate Institute of Clinical Medicine, College of Medicine, National Taiwan University, No. 1 Chang-Teh Street, Taipei Taiwan

SOURCE: Journal of Hepatology, (November, 2000) Vol. 33, No. 5, pp. 791-798. print.

ISSN: 0168-8278.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

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This core antigen, not non-struct. Note NS

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=> ribivirin (s) IL12
L1 0 RIBIVIRIN (S) IL12

=> Ribavirin (s) IL12
L2 1 RIBAVIRIN (S) IL12

=> D L2 IBIB TI SO AU ABS 1

L2 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:573069 BIOSIS

DOCUMENT NUMBER: PREV200200573069

TITLE: Production of interleukins 10 and 12 by activated peripheral blood monocytes/macrophages in patients suffering from chronic hepatitis C virus infection with respect to the response to interferon and ribavirin treatment.

AUTHOR(S): Amaraa, Ravdan (1); Mareckova, Helena; Urbanek, Petr; Fucikova, Terezie

CORPORATE SOURCE: (1) 1st Medical Faculty, Institute of Microbiology and Clinical Immunology, Charles University, Karlovo nam 32, Prague 2, Cz 12111: amaraa@yahoo.com Czech Republic

SOURCE: Immunology Letters, (October 1, 2002) Vol. 83, No. 3, pp. 209-214. <http://www.elsevier.com/locate/immlet>. print. ISSN: 0165-2478.

DOCUMENT TYPE: Article

LANGUAGE: English

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SO Immunology Letters, (October 1, 2002) Vol. 83, No. 3, pp. 209-214. <http://www.elsevier.com/locate/immlet>. print. ISSN: 0165-2478.

AU Amaraa, Ravdan (1); Mareckova, Helena; Urbanek, Petr; Fucikova, Terezie

AB Circulating monocytes/macrophages are important for the initiation of immune responses to hepatitis C virus (HCV). Their presentation capacities and production of immunoregulatory cytokines enable them to activate cellular immune responses which is critical in determining the outcome of infection. We used flow cytometry to examine the expression of a CD80 costimulatory molecule on the surface of peripheral blood CD14+monocytes/macrophages and to analyse the production of IL10 and IL12 by these cells. Forty-three individuals (6 asymptomatic HCV carriers, 37 patients with chronic hepatitis C (CHC)) were enrolled in this study. Thirty-seven patients with CHC (23 responders and 14 non-responders, NR) received combination (interferon+ribavirin) treatment for 52 weeks. The baseline percentage of CD14+CD80+peripheral blood monocytes/macrophages was high in patients with CHC ($P<0.001$) and returned to normal after the treatment. All patients with CHC showed significantly high production of IL10 ($P<0.001$). In asymptomatic HCV carriers production level of this cytokine tended to be higher than in patients with CHC ($P<0.001$). A baseline production of IL12 was higher in asymptomatic HCV carriers and patients with CHC compared to healthy controls ($P<0.001$). The level of IL12 production was increased in treatment responders whereas in NR returned to normal value. Our data argue against functional impairment of circulating monocytes/macrophages during HCV infection. Furthermore, the positive therapeutic outcome following combination treatment might associate with increased production of IL12 by these cells.

=> "ribavirin correlates the increased level of IL12"

L3 0 "RIBAVIRIN CORRELATES THE INCREASED LEVEL OF IL12"

=> Ribavirin (1) IL-12

L4 20 RIBAVIRIN (L) IL-12

=> D L4 IBIB TI AU 1-20



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